

Amendments to the Claims:

The listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

1-8. (Canceled).

9. (Currently Amended) A connection element configured for measuring force by a displacement between a magnet and a magnetic field sensor, comprising:

a holder, including the magnetic field sensor,

wherein being supported on the holder supports the magnetic field sensor in such a way that the magnetic field sensor is positioned into a zero line of a magnetic field of the magnet by a movement of the holder,

wherein the holder has a spring element so that when the holder is moved by a linear displacement, a clearance between the magnet and the magnetic field sensor is kept constant.

10. (Canceled).

11. (Previously Presented) The connection element as recited in claim 10, wherein the spring element is part of a sheet, the sheet being integrated in a plastic part of the holder.

12. (Previously Presented) The connection element as recited in claim 9, wherein the holder has a rounded form in at least one region, so that the holder is moved by a rotation.

13. (Previously Presented) The connection element as recited in claim 12, wherein the holder has at least three deformable webs in the region.

14. (Previously Presented) The connection element as recited in claim 9, wherein the holder has a symmetrical design and includes inserts to which the magnetic field sensor suite is directly connected.

15. (Currently Amended) A method for positioning a magnetic field sensor into a zero line

of a magnetic field of a magnet in a connection element used for measuring force by a displacement between the magnet and the magnetic field sensor suite, comprising:

moving a holder on which the magnetic field sensor is situated in such a way that the magnetic field sensor is positioned into the zero line; and

affixing the holder with the connection element,

wherein the holder has a spring element so that when the holder is moved by a linear displacement, a clearance between the magnet and the magnetic field sensor is kept constant.

16. (Previously Presented) The method as recited in claim 15, further comprising:

joining the holder to the connection element by laser welding.

17. (New) The connection element as recited in claim 11, wherein the spring element is attached to an edge of the sheet.

18. (New) The connection element as recited in claim 11, wherein the magnet field sensor is attached to a column attached to the sheet, an axis of the column being substantially perpendicular to a surface plane of the sheet.

19. (New) A force sensor for measuring force by a displacement between a magnet and a magnetic field sensor, comprising:

a sleeve,

a bending element with a longitudinal axis, being attached to the sleeve and a substantial part of the bending element being inserted into the sleeve, wherein the bending element includes the magnet; and

a holder with a longitudinal axis, the holder including the magnetic field sensor,

wherein the holder is integrated with the bending element so that the magnetic field sensor is positioned into a zero line of a magnetic field of the magnet by a movement of the holder, and that the longitudinal axis of the holder is substantially perpendicular to the longitudinal axis of the bending element.

20. (New) The holder of the force sensor as recited in claim 19, further comprising a sheet, wherein the sheet is substantially perpendicular to the longitudinal axis of the holder.

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21. (New) The holder of the force sensor as recited in claim 20, wherein the holder is integrated with the bending element by affixing the sheet of the holder on a surface of the sleeve.